

# ABSTRACT OF THE DISCLOSURE

A plurality of cDNAs each having a known different base sequence are labeled with a fluorescent dye (FITC), whereby F-cDNA is prepared. The F-cDNA is disposed at a plurality of predetermined positions on the slide glass of a DNA micro array chip. Cy5-cDNA is prepared by synthesizing cDNA from poly(A)-mRNA in the presence of a fluorescent dye (Cy5). The Cy5-cDNA is placed on the DNA micro array chip and hybridized to the F-cDNA. After hybridization, the DNA micro array chip is read by a quantitative apparatus incorporated with an analyzer in which information about the base composition ratio and base length of cDNA has been registered.